

- NOTES:**
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
  2. THE COVER SHOULD BE POSITIONED OVER THE 24"Ø OUTLET RISER PIPE AND THE 6"Ø OIL PORT.
  3. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181.

**STORMCEPTOR 900**  
**HYDRO CONDUIT**  
 STC 900 Precast Concrete Stormceptor (900 US Gallon Capacity)  
 (NOT TO SCALE)

DRAINAGE MANHOLE FRAME AND COVER SHALL BE TOWN OF LEXINGTON STANDARD

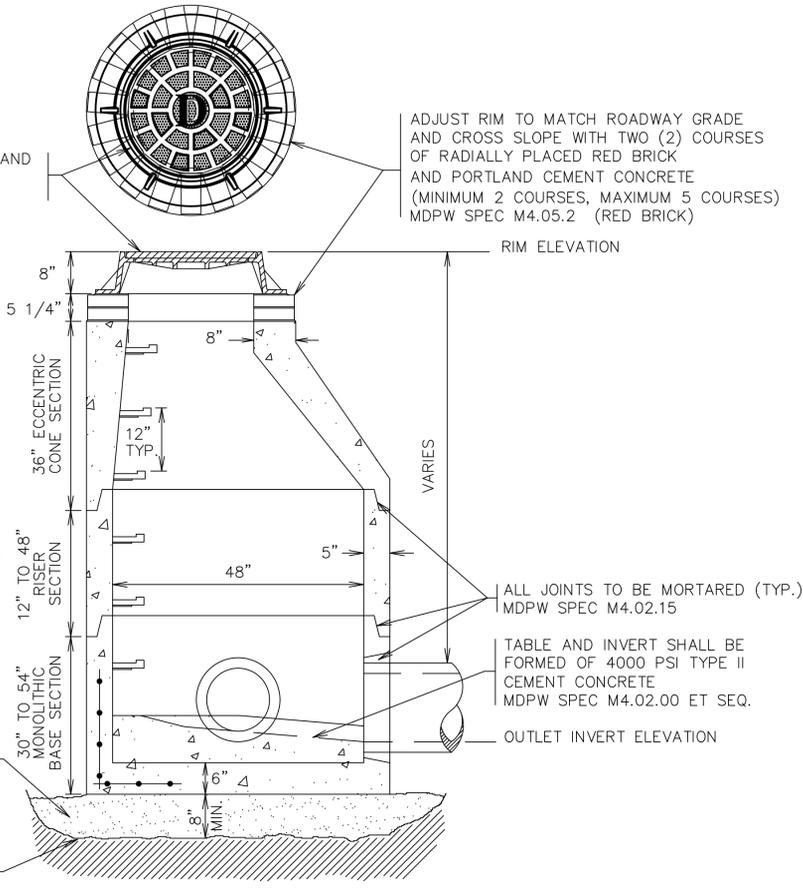
MANHOLE SECTIONS SHALL CONFORM TO ASTM SPEC C478

STEEL REINFORCEMENT SHALL CONFORM TO ASTM A185 SPEC.

4000 PSI MINIMUM CONCRETE COMPRESSIVE STRENGTH

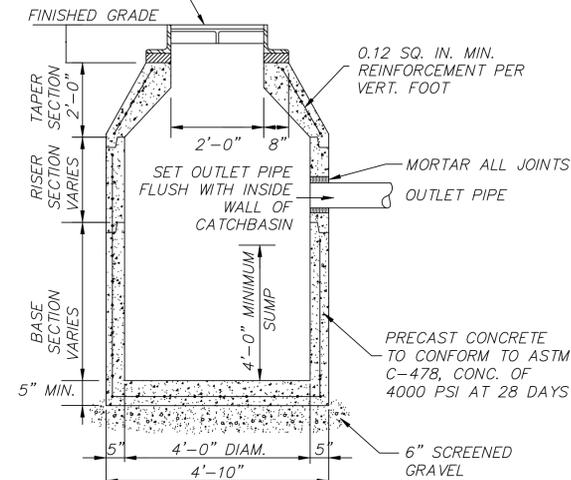
LEVEL, STABLE AND COMPACTED GRAVEL BASE MDPW SPEC M1.03.0

UNDISTURBED EARTH



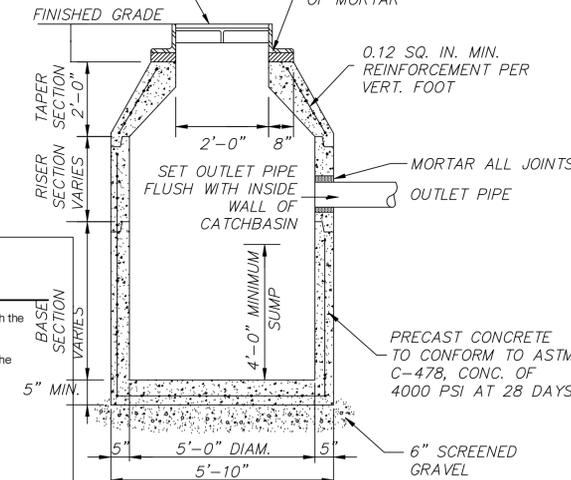
**TYPICAL DRAINAGE MANHOLE DETAIL**  
 (NOT TO SCALE)

CATCHBASIN FRAME & GRATE (CASCADE GRATE) FLAT TOP REQUIRED FOR CB-1 & CB-2

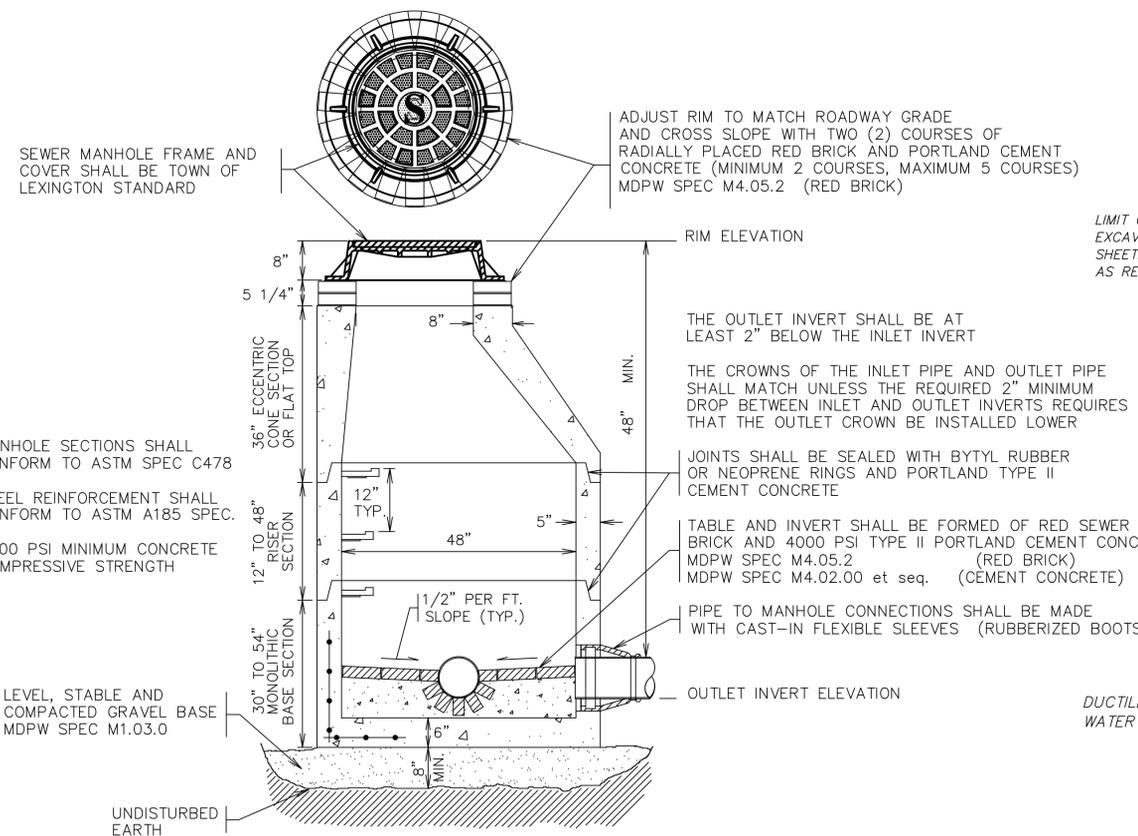


**TYPICAL CONCRETE CATCH BASIN**  
 (NOT TO SCALE)

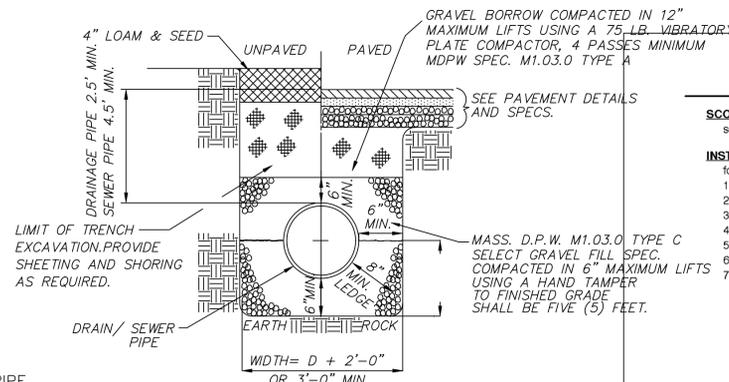
DOUBLE CATCHBASIN FRAME & GRATE (CASCADE GRATES)



**DOUBLE CONCRETE CATCH BASIN**  
 CB-1 & CB-2  
 (NOT TO SCALE)

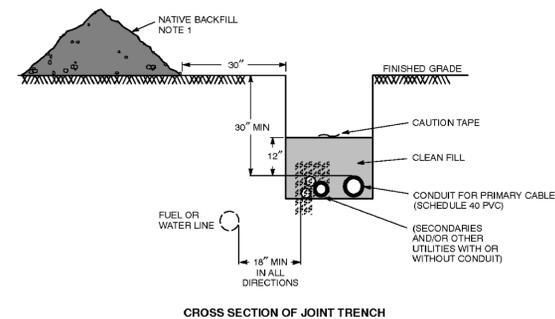


**TYPICAL SEWER MANHOLE DETAIL**  
 (NOT TO SCALE)



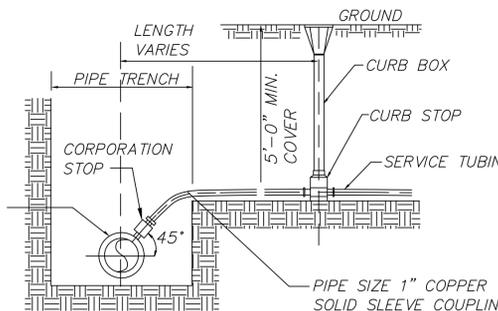
**STORM DRAIN/SEWER TRENCH DETAIL**  
 (NOT TO SCALE)

- SCOPE** - All direct-buried primary cables shall be of the jacketed type. The cables may be random-laid with the secondaries and other utilities under certain conditions, detailed in DTR 44.101.
- INSTALLATION IN TRENCH** - All direct-buried cables shall be installed at a depth of at least 30 inches in the following order:
1. Ensure that the bottom of the trench is well-tamped and free of rocks.
  2. Install the conduit, giving all couplings.
  3. Install secondaries and other utility cables or conduits in the trench.
  4. Backfill with 12 inches clean fill not to contain stones larger than 2 inches in maximum diameter.
  5. Install cable warning tape 12 inches over the conduit.
  6. Fill in the remainder of the trench with native backfill.
  7. Install pull line, including 10 feet of slack, and secure to conduit plug at each end of conduit run.



- Notes**
1. The trench shall be backfilled immediately following placement of the conduit.
  2. 1/4-inch-diameter nylon pull line and plastic conduit plugs to be supplied and installed by contractor.

ORIGINAL	GROUP	APPROVED	DATE	DESCRIPTION	BY	CHK'D



**TYPICAL WATER SERVICE**  
 (NOT TO SCALE)

**REVISIONS**

NO.	DATE	DESCRIPTION	BY	CHK'D
1	2/8/16	PER BOARD COMMENTS	JDS	JDS

**435-439 LINCOLN STREET**  
**BALANCED HOUSING RESIDENTIAL DEVELOPMENT**

**SITE CONSTRUCTION DETAILS**  
 LOCATED IN  
**LEXINGTON, MASSACHUSETTS**  
 (MIDDLESEX COUNTY)

PREPARED FOR  
**NORTH SHORE CONSTRUCTION & DEV., INC**  
 SCALE: 1" = N.T.S. DATE: NOV. 20, 2015

PREPARED BY  
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